

IN THE CLAIMS:

1. (currently amended) An optical disk drive comprising:
a turntable for mounting and rotating an optical disk;
a housing having a ceiling plate above the turntable;
a plate member disposed between an upper ~~[[disk]] surface of an optical disk under~~
~~rotation of the turntable~~ and ~~[[a]] the housing above the upper disk surface turntable~~ and
extending along a direction crossing ~~[[a]] disk track; a space~~ tracks, the plate member creating
spaces for guiding ~~[[an]]~~ air flow generated between the upper disk surface and a lower surface
of the ceiling plate of the housing during rotation of the optical disk , respectively in between the
disk upper surface and a lower surface of the plate member and in between an upper surface of
the plate member and the housing; and

a repetitive structure formed on edge portions of the plate member and extending along
the direction crossing the disk tracks, the repetitive structure creating space having a high
resistance to air flow and space having a low resistance to air flow, and rectifying the air flow
generated during disk rotation above the upper disk surface to suppress turbulence and enhance
laminar flow and extending along a direction crossing the disk track.
2. (original) An optical disk drive according to claim 1, wherein the repetitive structure
has a repetitive shape as viewed in plan.
3. (original) An optical disk drive according to claim 2, wherein the repetitive structure
has also a repetitive shape as viewed in elevation synchronized with the repetitive shape as
viewed in plan.
4. (currently amended) An optical disk drive according to claim 1, wherein the repetitive
structure is formed on the edge of the plate member on an output side of the air flow generated

above the disk upper surface during disk rotation.

5. (currently amended) An optical disk drive according to claim 1, wherein the plate member is ~~made of~~ a metal plate not formed with a rib on the edge portion extending along a direction crossing the disk tracks.

6. (currently amended) An optical disk drive according to claim 1, wherein the plate member is formed with a clamper, and the optical disk drive further ~~comprises~~ includes a drive mechanism for rotating the optical disk in a state that the optical disk is ~~squeezed~~ compressed between ~~[[a]]~~ the turntable and the clamper.

7. (original) An optical disk drive according to claim 6, wherein the plate member has an elongate plate shape, the clamper is held in a central area of the plate member along a long side direction, opposite end portions of the plate member are fixedly supported, and the repetitive structure is formed on plate portions of the plate member on both sides of the clamper along the long side direction.

8. (original) An optical disk drive according to claim 1, wherein the repetitive structure is a repetition of convex stripes formed on the lower surface of the plate member and extending along a disk track direction.

9. (original) An optical disk driver according to claim 1, wherein the repetitive structure terminates a repetition at a position of the edge portion corresponding to a position detracted by a predetermined distance from an outer circumference of the optical disk.

10. (currently amended) An optical disk drive comprising:
a disk tray having an opening extending along a direction crossing a tangential direction of a disk track; and
a repetitive structure formed on opposite end portions of the opening and extending along

the direction crossing the disk tracks, the repetitive structure creating space having a high resistance to air flow and space having a low resistance to air flow, and rectifying an air flow generated during disk rotation to suppress turbulence and enhance laminar flow and having a wave shape as viewed in plan.

11. (previously presented) An optical disk drive comprising:

a plurality of convex stripes formed on inner surfaces of side walls of a structural member defining a space for accommodating an optical disk, the convex stripes extending along a horizontal direction, protruding into the space and rectifying an air flow generated during disk rotation.

12. (previously presented) An optical disk drive comprising:

a plurality of concave stripes formed on inner surfaces of side walls of a structural member defining a space for accommodating an optical disk, the concave stripes extending along a horizontal direction, retarded from the space, and rectifying an air flow generated during disk rotation.

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